



PTO/SB/08a/b (07-05)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	2	Attorney Docket Number	110313.139 US2
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Complete if Known

Application Number	10/523475-Conf. #2300
Filing Date	February 4, 2005
First Named Inventor	Magdalene M. MORAN
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	110313.139 US2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ⁴	Number-Kind Code ² (if known)				
	BA	WO-00/61624		10-19-2000	Human Genome Sciences, Inc.		
	BB	WO-01/07611		02-01-2001	Genentech, Inc.		
	BC	WO-01/54477		08-02-2001	Hyseq, Inc.		
	BD	WO-01/75067		10-11-2001	Hyseq, Inc.		
	BE	WO-02/090567		11-14-2002	Children's Medical Center, Corporation		
	BF	WO-03/089583		10-30-2003	Origene Technologies, Inc.		
	BG	WO-03/091434		11-06-2003	Takeda Chemical Industries, Ltd.		
	BH	WO-03/099865		12-04-2003	Inpharmatica Limited		

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CA		Arnoult et al., "Activation of mouse sperm T-type Ca ²⁺ channels by adhesion to the egg zona pellucida," Proc. Natl. Acad. Sci. USA, Vol. 93, pp. 13004-13009.	
CB		Bedford, "Mammalian Fertilization Misread? Sperm Penetration of the Eutherian Zona Pellucida is Unlikely to be a Lytic Event," Biology of Reproduction, Vol. 59, pp. 1275-1287.	
CC		Darszon et al., "Ion Channels in Sperm Physiology," Physiological Reviews, Vol. 79, No. 2, April 1999, pp. 481-510.	
CD		Database EMBL, 11 October 2001, XP002314905, Database Accession No. AAS90759	
CE		Database EMBL, 14 November 1997, XP002314900, Database Accession No. AA662668	
CF		Database EMBL, 2 March 2000, XP002314904, Database Accession No. AW472972	
CG		Database EMBL, 3 March 2000, XP002306736, Database Accession No. AA416577	
CH		Database EMBL, 2 December 2000, XP002314901, Database Accession No. BF436942	
CI		Database EMBL, 9 May 2001, XP002314908, Database Accession No. BG718343	
CJ		Database EMBL, 8 June 2000, XP002314899, Database Accession No. AW971983	
CK		Database EMBL, 8 October 2001, XP002314906, Database Accession No. BI826910	
CL		Database EMBL, 15 October 2001, XP002306740, Database Accession No. AF407332	
CM		Database EMBL, 29 November 2001, XP002314910, Database Accession No. ABL90376	
CN		Database EMBL, 1 December 2001, XP002306739, Database Accession No. Q912R5	

Examiner Signature	Date Considered
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				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	110313.139 US2

	CO	Database EMBL, 11 September 1997, XP002314902, Database Accession No. AA574312
	CP	Database EMBL, 30 November 1999, XP002314903, Database Accession No. AW197851
	CQ	Database EMBL, 3 March 2000, XP002306735, Database Accession No. AA416682
	CR	Database EMBL, 30 May 2000, XP002306734, Database Accession No. AP000586
	CS	Database EMBL, 20 October 2000, XP002314898, Database Accession No. BF092492
	CT	Database EMBL, 25 January 2001, XP002314968, Database Accession No. BF934163
	CU	Database EMBL, 8 October 2001, XP002314907, Database Accession No. BI829451
	CV	Database EMBL, 15 October 2001, XP002306738, Database Accession No. AF407333
	CW	Database EMBL, 29 November 2001, XP002314911, Database Accession No. ABB89967
	CX	Database EMBL, 1 December 2001, XP002306737, Database Accession No. Q96P76
	CY	Database EMBL, 25 March 2004, XP002314912, Database Accession No. ACN41330
	CZ	Database EMBL, 9 May 2001, XP002314909, Database Accession No. BG718245
	CA1	Garbers, "Ion channels. Swimming with sperm," Nature, Vol. 413, No. 6856, Oct 2001, pp. 579, 581-582, XP 002314956
	CB1	Hyne and Garbers, "Calcium-dependent increase in adenosine 3', 5'-monophosphate and induction of the acrosome reaction in guinea pig spermatozoa," Proc. Natl. Acad. Sci. USA, Vol. 76, No. 11, pp. 5699-5703.
	CC1	Jungnickel et al., "Trp2 regulates entry of Ca2+ into mouse sperm triggered by egg ZP3," Nature Cell Biology, Vol. 3, May 2001, pp. 499-502.
	CD1	O'Toole et al., "Ca2+ Entry through Store-operated Channels in Mouse Sperm Is Initiated by Egg ZP3 and Drives the Acrosome Reaction," Molecular Biology of the Cell, Vol. 11, pp. 1571-1584, May 2000.
	CE1	Quill et al., "A voltage-gated ion channel expressed specifically in spermatozoa," PNAS, Vol. 98, No. 22, 12527-12531.
	CF1	Ren et al., "A Sperm Ion Channel Required for Sperm Motility and Male Fertility," Nature, Macmillan Journals Ltd., London, Vol. 413, No. 6856, October 11, 2001, pp. 603-609
	CG1	Santi et al., "A dihydropyridine-sensitive T-type Ca2+ current is the main Ca2+ current carrier in mouse primary spermatocytes," American Journal of Physiology, Vol. 271, pp. C1583-93, 1996.
	CH1	Serrano et al., "Voltage-dependent Ca2+ channel subunit expression and immunolocalization in mouse spermatogenic cells and sperm," FEBS Letters, 462, pp. 171-176, 1999.
	CI1	Straussberg, Homo Sapiens, Clone Image, 03 March 2003, pages 1-3, especially pages 2-3.
	CJ1	Tash, "Role of the eAmp, Calcium, and Protein Phosphorylation in Sperm Motility," Controls of Sperm Motility: Biological and Clinical Aspects, ed. Gagnon, pp. 229-240, 1990.
	CK1	Wasserman et al., "A profile of fertilization in mammals," Nature Cell Biology, Vol. 3, E59-E64, February 2001.
	CL1	Wennemuth et al., "Cav2.2 and Cav2.3 (N- and R-type) Ca2+ Channels in Depolarization-evoked Entry of Ca2+ into Mouse Sperm," The Journal of Biological Chemistry, Vol. 275, No. 28, pp. 21210-21217, 2000.
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	CN1	Wiesner et al., "Cyclic Nucleotide-gated Channels on the Flagellum Control of Ca2+ Entry into Sperm," The Journal of Cell Biology, Vol. 142, No. 2, pp. 473-484, 1998.
	CO1	Yanigimachi, "Mammalian Fertilization," The Physiology of Reproduction, Second Edition, eds. Knobil and Neill, pp. 189-317, 1994.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Examiner Signature	/Robert Mondesi/	Date Considered	03/18/2008
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US PCT/EP 03/001400

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